



newjersey **nj dep**
department of environmental protection

Universal Waste Handler Inspector Perspective

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Remember your Universal Waste Streams:

“The Big 3”

- Lamps
- Batteries
- Consumer Electronics

Then the rest:

- Pesticides
- Oil-based Finishes
- Mercury containing devices

Universal Waste Handler - Issues Found During Inspections

- Using Proper Containers
- Labeling / Marking
- Accumulation Time
- Treatment / Disposal
- Record-keeping



Proper Containers



Proper Containers

- Must be structurally sound
- Adequate to prevent breakage (UW lamps)
- Must remain closed while in storage
- Compatible with the contents of the UW
- Must not show evidence of leakage, spillage
- Containers that do not meet the requirement must be overpacked (UW pesticides)

Example on how NOT to store
UW Lamps



PAPER RECYCLING
CORP.
"THE PAPER PEOPLE"
201-485-2009

Another example on how NOT to store UW Lamps



Example on how NOT to store
UW Lamps



12/16/2009



12/16/2009



Improper container closure
and storage





THE PAPER PEOPLE
201-485-2009

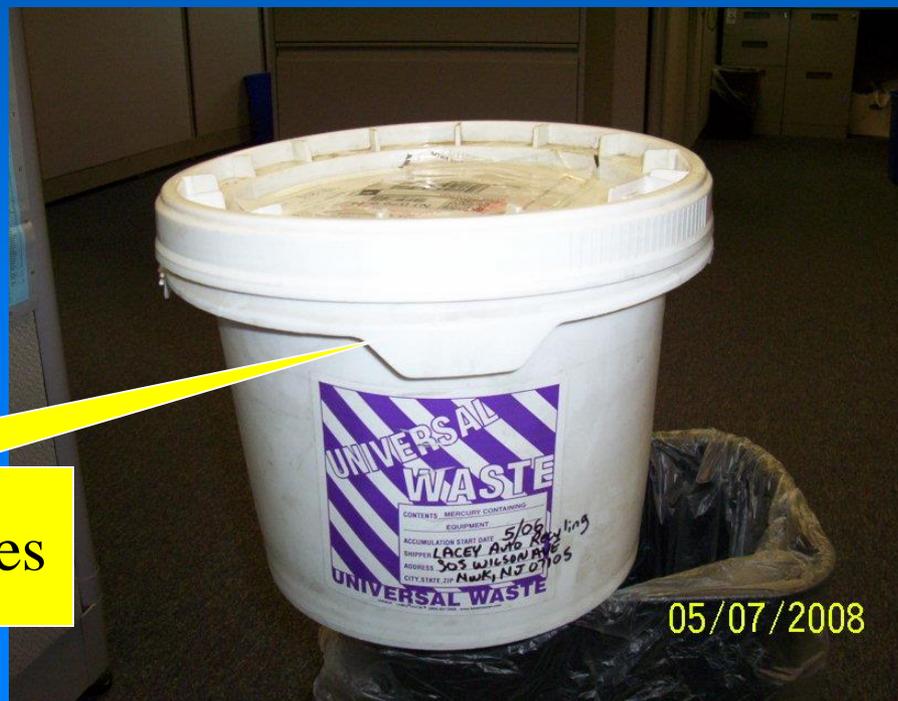
USA & EL SALVADOR
HVA

Universal Waste - Lamps



Examples of Proper Containers

Universal Waste - Batteries



05/07/2008



01/21/2009

#11

DO NOT OPEN



RECYCLEPAK
 RECICLA
 RECYCLING BOX

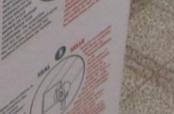
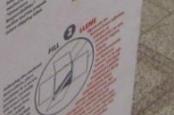
RECYCLABLE LAMP RECYCLING BOX
 RECYCLABLE LAMP RECYCLING BOX

ACCEPTABLE LAMPS / LÁMPARAS ACEPTABLES
 PLEASE REFER TO THE INSTRUCTIONS SECTION FOR THE TYPE AND
 QUANTITY OF LAMPS THAT CAN BE RECYCLED. DO NOT RECYCLE OTHER TYPES OF
 LAMPS. Call the number on the back of this recycling box for more information.
 Call the number on the back of this recycling box for more information.
 Call the number on the back of this recycling box for more information.
 Call the number on the back of this recycling box for more information.

WHERE TO BUY / ¿DÓNDE COMPRAR
 Please refer to the instructions section for the type and
 quantity of lamps that can be recycled. Do not recycle other types of
 lamps. Call the number on the back of this recycling box for more information.
 Call the number on the back of this recycling box for more information.

ABOUT US / ACERCA DE NOSOTROS
 Please refer to the instructions section for the type and
 quantity of lamps that can be recycled. Do not recycle other types of
 lamps. Call the number on the back of this recycling box for more information.
 Call the number on the back of this recycling box for more information.

INSTRUCCIONES / INSTRUCCIONES
 Please refer to the instructions section for the type and
 quantity of lamps that can be recycled. Do not recycle other types of
 lamps. Call the number on the back of this recycling box for more information.
 Call the number on the back of this recycling box for more information.



09/28/2010



09/28/2010



Labeling Universal Wastes

UNIVERSAL WASTE

CONTENTS _____

ACCUMULATION START DATE _____

SHIPPER _____

ADDRESS _____

CITY, STATE, ZIP _____

UNIVERSAL WASTE

LWV LABELMASTER® (800) 821-5808 www.labelmaster.com

Labeling / Marking

- Universal Wastes must be labeled / marked either by container or individually
- Simplest way to comply is using a piece of paper taped to a container. However, a purchased pre-printed label is acceptable
- Label must be clear, legible, and easily visible

Labeling / Marking

- Acceptable wording is:
 - “Universal Waste – Lamps”, “Used Lamps”, or “Waste Lamps”
 - “Universal Waste – Battery(ies)”, “Used Battery(ies)”, or “Waste Battery(ies)”
 - “Universal Waste – Consumer Electronics”
 - “Universal Waste – Pesticides”
 - “Universal Waste - Oil-Based Finishes”
 - “Universal Waste - Mercury Containing Devices”

Universal Waste - Consumer Electronics not properly marked



03/25/2009



07/02/2010

ENTER



07/02/2010

AR-500NT

UNITED STATES
POSTAL SERVICE
FLAT MAIL TRAY

Maxtor

4/30/10
114 hard drives
Rivanna

07/02/2010



01/24/2012

Examples of Labeling / Marking Universal Waste

- Link for labels
http://www.ecy.wa.gov/programs/hwtr/hw_labels/index.html



Some of Universal Waste - Lamps shown here are marked
some unfortunately are NOT.



06/18/2008

Container holding Universal Waste - Lamps shown here properly marked, but improperly stored.



USED LAMPS

25W
ELECTRONIC BALLAST
ELECTRONIC XP® SUPER SAVER® ECOLOGIC® 3
T8 MEDIUM BIPIN 4100 K



MADE IN USA

12/10
USED LAMPS

USED LAMPS

USED LAMPS

01/21/2009

USED LAMPS

Universal Waste -
Consumer Electronics

Month - AUGUST

Year - 2010

Weight (lbs) - 615

08/20/2010



Universal Waste -
Consumer Electronics
Month - Aug
Year - 2010
Weight (lbs) - 1

Universal Waste -
Consumer Electronics
Month - Aug
Year - 2010
Weight (lbs) - 1

08/20/2010

Universal Waste -
Consumer Electronics
Month - *June*
Year - 2010
Weight (lbs) - *123*



LABEL
OTHER
END

LABEL
OTHER
END

UNITED STATES
POSTAL SERVICE



Universal Waste -
Consumer Electronics
Month - *May*
Year - 2010
Weight (lbs) - *378*



Universal Waste -
Consumer Electronics
Month - *May*
Year - 2010
Weight (lbs) - *58*

250

08/20/2010

Universal Waste –
Consumer Electronics

Month - *May*

Year – 2010

Weight (lbs) - *358*

08/20/2010

Accumulation Time

- Universal waste may be accumulated for no longer than one year from the date the universal waste is generated
- Simplest way to comply is by marking the container/equipment with the accumulation start date (most accurate)
- Maintain manifests, bill of lading, or invoices, showing proof of shipment offsite

UNIVERSAL WASTE

CONTENTS CRT - WASTE
(MONITOR)

ACCUMULATION START DATE 10/18/04

SHIPPER B46-13A

ADDRESS _____

CITY, STATE, ZIP _____

~~HWAF~~ PKK-UP DATE: 10/18/04



Universal
Waste

01/01/2010

Treatment / Disposal

- Handlers are prohibited from diluting or treating universal waste (i.e. crushing lamps)
- Here is the link on lamp crushing:

<http://www.nj.gov/dep/enforcement/advisories/2005-13.pdf>

- Handlers are prohibited from disposing of universal waste

DO NOT PLACE IN REGULAR GARBAGE

DON'T TRASH FLUORESCENT LIGHT BULBS!

Take them to a Universal Waste
Collection Center or Recycle
Compact Fluorescent Lamps
at a participating retail store.

Your Local Universal Waste
Collection Center is:



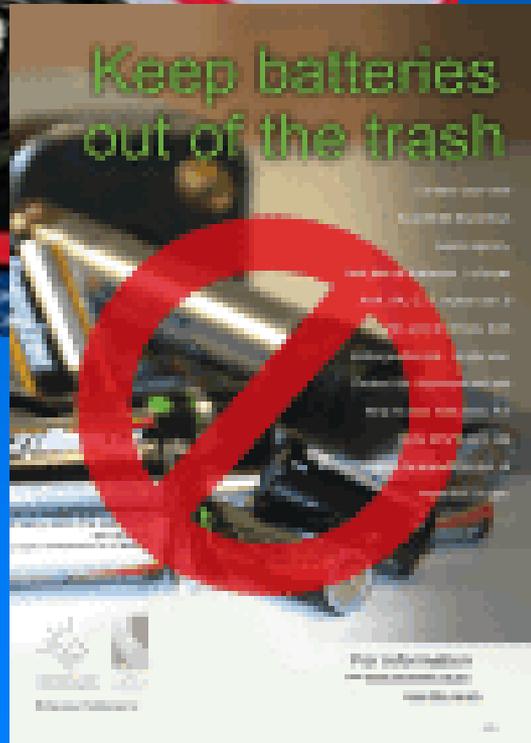
KEEP YOUR TRASH TOXIC-FREE



NO

**BATTERIES,
LIGHT BULBS,
ELECTRONICS,
OR MERCURY**

Keep batteries
out of the trash



RECYCLE

- LAPTOPS
- TELEVISIONS
- COMPUTER MONITORS
- AUTOMOBILE BATTERIES
- RECHARGEABLE BATTERIES
- MERCURY ITEMS
 - THERMOMETERS
 - THERMOSTATS
 - SWITCHES
 - FLUORESCENT BULBS



IT'S THE LAW

NO DUMPING Universal Waste



SYLVANIA



BULB EATER[®]
FLUORESCENT LAMP
CRUSHING SYSTEM
— EXTRA COST —
**VAPOR
REMOVAL
SECTION**
— ACTIVATED CARBON CONTAINER —
All-CYCLE CORPORATION
www.allcycle.com
800-985-9797

GE Lighting
Fluorescent Lamps

05/07/2009

Record-keeping

- Only Large Quantity Handlers are required to keep records of shipments of universal waste
- Acceptable records include logs, invoices, manifests, bill of lading etc.
- Records must show the name & address of the destination facility; the quantities & types of waste sent; and the date of shipment
- Records must be kept for three years
- Record-keeping optional for Small Quantity Handlers but recommended

Online Resources

- Inspection Checklists

<http://www.nj.gov/dep/enforcement/hw-chklists.html>

- Inspection Reports

<http://www.nj.gov/dep/opra/online.html>

- Fact Sheets

<http://www.state.nj.us/dep/dshw/lrm/uwaste/uwindex.htm>

- Rules & Regulations

<http://www.nj.gov/dep/dshw/resource/rules.htm>

Any Questions???



Please wait for panel discussion!!